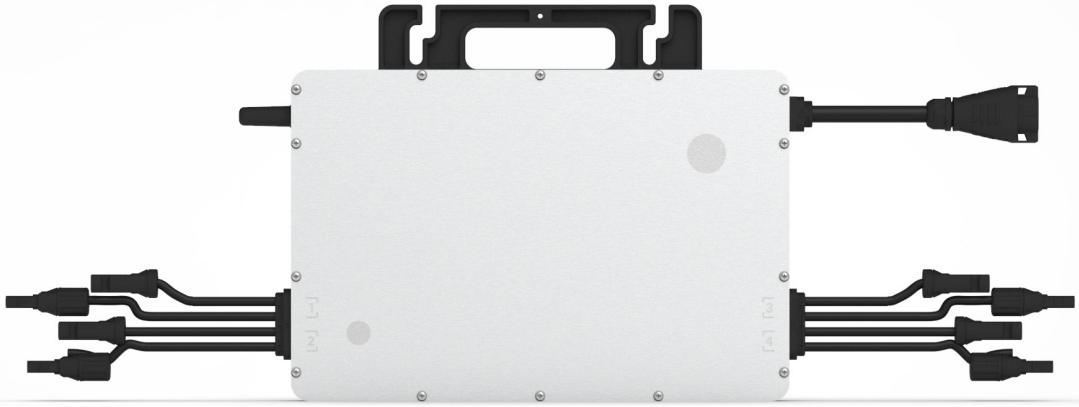

Microinverter Datasheet

HMS-1600-4T-NA
HMS-1800-4T-NA
HMS-2000-4T-NA

Description

Hoymiles new microinverter HMS-2000 series are suitable for high-powered solar panels, which rank among the highest for 4-in-1 microinverters.
Each microinverter can connect up to 4 panels, with independent MPPT and monitoring maximizing the power production of your installation. With a maximum DC voltage of 65 volts, Hoymiles microinverter is a PV Rapid Shutdown Equipment and conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218.
The new Sub-1G wireless solution enables more stable communication with Hoymiles gateway DTU.

Features

01 High-powered microinverter for 4-in-1 series with superior performance

02 Safer for rooftop solar stations with PV rapid shutdown compliance

03 With Reactive Power Control, compliant with UL 1741, IEEE 1547, UL 1741 SB, etc.

04 Independent MPPT and monitoring ensure greater energy harvest and easier maintenance

05 4-in-1 design enables most cost-effective solar solution

06 Sub-1G wireless solution allows stable communication in commercial and industrial settings

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Technical Specifications

Model	HMS-1600-4T-NA		HMS-1800-4T-NA		HMS-2000-4T-NA	
Input Data(DC)						
Commonly used module power (W)	320 to 540+		360 to 600+		400 to 670+	
Maximum input voltage (V)	65					
MPPT voltage range (V)	16–60					
Start-up voltage (V)	22					
Maximum input current (A)	4 × 13		4 × 14		4 × 15	
Maximum input short circuit current (A)	4 × 25					
Number of MPPTs	4					
Number of Inputs per MPPT	1					
Output Data(AC)						
Peak output power (VA)	1600		1800		2000	
Maximum continuous output power (VA)	1440		1660		1918	
Maximum continuous output current (A)	6	6.92	6.92	7.98	7.99	9.22
Nominal output voltage/range (V)[1]	240/211–264	208/183–228	240/211–264	208/183–228	240/211–264	208/183–228
Nominal frequency/range (Hz)[1]	60/55–65					
Power factor (adjustable)	> 0.99 default 0.8 leading ... 0.8 lagging					
Total harmonic distortion	< 3%					
Maximum units per 10AWG branch[2]	4	3	3	3	3	2
Efficiency						
CEC peak efficiency	96.70%		96.50%		96.50%	
Nominal MPPT efficiency	99.8%					
Night power consumption (mW)	< 50					
Mechanical Data						
Ambient temperature range (℃)	-40 to +65					
Dimensions (W × H × D [mm])	331 × 218 × 36.6					
Weight (kg)	4.7					
Enclosure rating	Outdoor-IP67 (NEMA6)					
Cooling	Natural convection-No fans					
Features						
Communication	Sub-1G					
Type of isolation	Galvanically Isolated HF Transformer					
Monitoring	Hoymiles S-Miles Cloud[3]					
Compliance	UL 1741, IEEE 1547, UL 1741 SB, CSA C22.2 No. 107.1-16 FCC 15B, FCC 15C					
PV Rapid Shutdown	Conforms with NEC-2017 and NEC-2020 Article 690.12 and CEC-2021 Sec 64-218 Rapid Shutdown of PV Systems.					

*1 Nominal voltage/frequency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.
*3 Hoymiles Monitoring System